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=> e	BASF/PA	,	
E1	1	BASEY/PA	
E2	1	BASEY GENE/PA	
E3	52767>	BASF/PA	
E4	2	BASF A G/PA	
E5	300	BASF AG/PA	
E6	8126	BASF AG, 6700 LUDWIGSHAFEN, DE/PA	
E7	8297	BASF AG, 67063 LUDWIGSHAFEN, DE/PA	4
E8	1	BASF AGRO B V AMHEM NL WADENSWIL BRANCH/PA	
E9	3	BASF AGRO B V ARNHEM NL WADENSWIL BRANCH/PA	
E10	15	BASF AGRO B V ARNHEM NL WAEDENSWIL BRANCH/PA	
E11	3	BASF AGRO B.V., ARNHEM (NL)-WAEDENSWIL-BRANCH, WAEDENSWIL,	С
	•	H/PA	
E12	1	BASF AKDTIENGESELLSCHAFT/PA	

=> s e3 or e5 or e6 or e7

52767 BASF/PA OR "BASF AG"/PA OR "BASF AG, 6700 LUDWIGSHAFEN, DE"/PA
OR "BASF AG, 67063 LUDWIGSHAFEN, DE"/PA

^{=&}gt; s L1 and graft polymer?
5 FILES SEARCHED...

=> s 108-05-4/rn'RN' IS NOT A VALID FIELD CODE 'RN' IS NOT A VALID FIELD CODE 1720 108-05-4/RN

=> s L2 and L3

16 L2 AND L3

=> s polyethylene glycol?

277273 POLYETHYLENE GLYCOL?

=> s L1 and L5

1883 L1 AND L5

=> s L4 and L6

15 L4 AND L6

=> dup rem L7

DUPLICATE IS NOT AVAILABLE IN 'RDISCLOSURE'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L7

11 DUP REM L7 (4 DUPLICATES REMOVED)

=> d 1-11 ibib abs

ANSWER 1 OF 11 USPATFULL on STN

ACCESSION NUMBER:

2005:65235 USPATFULL

TITLE:

Grafted polymers as gas hydrate inhibitors

INVENTOR(S):

Angel, Maximilian, Schifferstadt, GERMANY, FEDERAL ·REPUBLIC OF

Neubecker, Karin, Frankenthal, GERMANY, FEDERAL

REPUBLIC OF

Sanner, Axel, Frankenthal, GERMANY, FEDERAL REPUBLIC OF

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PATENT ASSIGNEE(S):

BASF Aktiengesellschaft, Ludwigshafen,

GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6867262	B1	20050315	
	WO 2001009271		20010208	
APPLICATION INFO.:	US 2002-30987		20020116	(10)
	WO 2000-EP6564		20000711	
	•		20020116	PCT 371 date

			NOMBER	DATE		
RIORITY	INFORMATION:	DE	1999-19935063	19990728		

DOCUMENT TYPE: FILE SEGMENT:

Utility GRANTED

PRIMARY EXAMINER: LEGAL REPRESENTATIVE: Hightower, Patricia Hampton

NUMBER OF CLAIMS:

EXEMPLARY CLAIM:

Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

NUMBER OF DRAWINGS:

0 Drawing Figure(s); 0 Drawing Page(s)

LINE COUNT:

408

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AΒ Graft polymers are used as gas hydrate inhibitors. CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 2 OF 11 USPATFULL on STN DUPLICATE 1

ACCESSION NUMBER: 2003:18268 USPATFULL

TITLE: Multicomponent superabsorbent gel particles

INVENTOR(S): Beihoffer, Thomas W., Arlington Heights, IL, UNITED

STATES

Mitchell, Michael A., Lake Zurich, IL, UNITED STATES

Anderson, Mark, Wheaton, IL, UNITED STATES

Tomlin, Anthony S., Island Lake, IL, UNITED STATES

PATENT ASSIGNEE(S): BASF Aktiengesellschaft (U.S. corporation)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-551963, filed on 19

Apr 2000, PENDING Division of Ser. No. US 1998-179553, filed on 28 Oct 1998, GRANTED, Pat. No. US 6222091 Continuation-in-part of Ser. No. US 1998-120674, filed

on 22 Jul 1998, GRANTED, Pat. No. US 6235965

Continuation-in-part of Ser. No. US 1997-974125, filed

on 19 Nov 1997, GRANTED, Pat. No. US 6072101

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: MARSHALL, O'TOOLE, GERSTEIN, MURRAY & BORUN, 6300 SEARS

TOWER, 233 SOUTH WACKER DRIVE, CHICAGO, IL, 60606-6402

NUMBER OF CLAIMS: 47 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 22 Drawing Page(s)

LINE COUNT: 2587

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Multicomponent superabsorbent gel particles are disclosed. The multicomponent particles comprise at least one acidic water-absorbing resin and at least one basic water-absorbing resin. Each particle contains at least one microdomain of the acidic resin in contact with, or in close proximity to, at least one microdomain of the basic resin. Blends of multicomponent superabsorbent gel particles with particles of a second water-absorbing resin also are disclosed. Improved diaper cores containing particles of the multicomponent superabsorbent gel particles also are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 3 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2003:115817 USPATFULL

TITLE: Multicomponent superabsorbent gel particles

INVENTOR(S): Beihoffer, Thomas W., Arlington Heights, IL, United

States Mitchell, Michael A., Lake Zurich, IL, United States

Anderson, Mark, Wheaton, IL, United States

Tomlin, Anthony S., Island Lake, IL, United States

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen,

GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

RELATED APPLN. INFO.: Division of Ser. No. US 1998-179553, filed on 28 Oct

1998, now patented, Pat. No. US 6222091, issued on 21

Apr 2001 Continuation-in-part of Ser. No. US

1998-120674, filed on 22 Jul 1998, now patented, Pat.

No. US 6235965, issued on 25 May 2001

Continuation-in-part of Ser. No. US 1997-974125, filed on 19 Nov 1997, now patented, Pat. No. US 6072101,

issued on 6 Jun 2000

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Ruhl, Dennis
ASSISTANT EXAMINER: Bogart, Michael

LEGAL REPRESENTATIVE: Marshall, Gerstein & Borun

NUMBER OF CLAIMS: 18 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 34 Drawing Figure(s); 22 Drawing Page(s)

LINE COUNT: 2374

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Multicomponent superabsorbent gel particles are disclosed. The multicomponent particles comprise at least one acidic water-absorbing resin and at least one basic water-absorbing resin. Each particle contains at least one microdomain of the acidic resin in contact with, or in close proximity to, at least one microdomain of the basic resin. Blends of multicomponent superabsorbent gel particles with particles of a second water-absorbing resin also are disclosed. Improved diaper cores containing particles of the multicomponent superabsorbent gel particles also are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2003:20337 USPATFULL

TITLE: Multicomponent superabsorbent gel particles

INVENTOR(S): Beihoffer, Thomas W., Arlington Heights, IL, United

States

Mitchell, Michael A., Lake Zurich, IL, United States

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen,

GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1997-974125, filed on 19

Nov 1997, now patented, Pat. No. US 6072101

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Lewis, Aaron J. ASSISTANT EXAMINER: Bogart, Michael

LEGAL REPRESENTATIVE: Marshall, Gerstein & Borun

NUMBER OF CLAIMS: 85 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 2 Drawing Figure(s); 1 Drawing Page(s)

LINE COUNT: 1490

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Multicomponent superabsorbent gel particles are disclosed. The multicomponent particles comprise at least one acidic water-absorbing resin and at least one basic water-absorbing resin. Each particle contains microdomains of the acidic resin and/or the basic resin homogeneously dispersed throughout the particle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 5 OF 11 USPATFULL on STN DUPLICATE 2

ACCESSION NUMBER: 2002:27000 USPATFULL

TITLE: Multicomponent superabsorbent fibers

INVENTOR(S): Evans, Samantha J., Lymm Cheshire, WA, UNITED STATES

Henderson, John A., Birkenhead, UNITED KINGDOM

Mitchell, Michael A., Lake Zurich, IL, UNITED STATES Tomlin, Anthony S., Island Lake, IL, UNITED STATES

BASF Aktiengesellschaft (U.S. corporation) PATENT ASSIGNEE(S):

KIND DATE -----US 2002015846 A1 20020207 PATENT INFORMATION: US 6376072 B2 20020423 US 2001-860095 A1 20010517 APPLICATION INFO.: (9)

Division of Ser. No. US 1999-273878, filed on 22 Mar RELATED APPLN. INFO.: 1999, PENDING Continuation-in-part of Ser. No. US

1998-179553, filed on 28 Oct 1998, GRANTED, Pat. No. US

6222091 Continuation-in-part of Ser. No. US

1998-120674, filed on 22 Jul 1998, GRANTED, Pat. No. US

6235965 Continuation-in-part of Ser. No. US

1997-974125, filed on 19 Nov 1997, GRANTED, Pat. No. US

6072101 Utility

DOCUMENT TYPE: FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: MARSHALL, O'TOOLE, GERSTEIN, MURRAY & BORUN, 6300 SEARS

TOWER, 233 SOUTH WACKER DRIVE, CHICAGO, IL, 60606-6402

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 9 Drawing Page(s)

LINE COUNT: 2457

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Multicomponent superabsorbent fibers are disclosed. The multicomponent fibers comprise at least one acidic water-absorbing resin and at least one basic water-absorbing resin. Each fiber contains at least one microdomain of the acidic resin in contact with, or in close proximity to, at least one microdomain of the basic resin. Blends of multicomponent superabsorbent fibers with particles of a second water-absorbing resin also are disclosed. Articles containing the multicomponent superabsorbent fibers also are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 6 OF 11 USPATFULL on STN

2002:116462 USPATFULL ACCESSION NUMBER:

TITLE: Diapers having improved acquisition rates

INVENTOR(S): Beihoffer, Thomas W., Arlington Heights, IL, United

Mitchell, Michael A., Lake Zurich, IL, United States

Anderson, Mark, Wheaton, IL, United States

Tomlin, Anthony S., Island Lake, IL, United States

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen,

GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

NUMBER KIND DATE -----US 6392116 B1 20020521 US 2000-551963 20000419 (9) PATENT INFORMATION: APPLICATION INFO.:

RELATED APPLN. INFO.: Division of Ser. No. US 1998-179553, filed on 28 Oct

1998, now patented, Pat. No. US 6222091

Continuation-in-part of Ser. No. US 1998-120674, filed on 22 Jul 1998, now patented, Pat. No. US 6235965 Continuation-in-part of Ser. No. US 1997-974125, filed

on 19 Nov 1997, now patented, Pat. No. US 6072101

DOCUMENT TYPE: Utility FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Weiss, John G. ASSISTANT EXAMINER: Bogart, Michael

LEGAL REPRESENTATIVE: Marshall, Gerstein, & Borun.

NUMBER OF CLAIMS:

EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 34 Drawing Figure(s); 22 Drawing Page(s)

LINE COUNT: 2312

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Improved diaper cores containing particles of multicomponent

superabsorbent particles and having improved acquisition rates are

disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 7 OF 11 USPAT2 on STN

ACCESSION NUMBER: 2002:12781 USPAT2

TITLE: Continuous manufacture of superabsorbent/ion exchange

sheet material

INVENTOR(S): Mitchell, Michael A., Lake Zurich, IL, United States

Anderson, Mark, Wheaton, IL, United States

Beihoffer, Thomas W., Arlington Heights, IL, United

States

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen,

GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

KIND DATE NUMBER -----PATENT INFORMATION: US 6623576 B2 20030923 APPLICATION INFO.: US 2001-875593 20010606 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2000-746177, filed

on 22 Dec 2000 Continuation-in-part of Ser. No. US 1998-179554, filed on 28 Oct 1998, now patented, Pat. No. US 6194631 Continuation-in-part of Ser. No. US 2000-551963, filed on 19 Apr 2000, now patented, Pat. No. US 6392116 Division of Ser. No. US 1998-179553,

filed on 28 Oct 1998, now patented, Pat. No. US 6222091

DOCUMENT TYPE: Utility FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Lechert, Jr., Stephen J. LEGAL REPRESENTATIVE: Marshall, Gerstein & Borun

NUMBER OF CLAIMS: 50 EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 38 Drawing Figure(s); 26 Drawing Page(s)

LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

A continuous sheet having a combination of acidic and basic water-absorbing resin particles that are essentially not neutralized and can be continuously manufactured on conventional papermaking apparatus, using a wet, dry, or wet-dry process to manufacture a water-absorbent sheet-like substrate containing 50%-100% by weight of the combination of acidic and basic water-absorbent particles. The acidic and basic essentially unneutralized resins can be contained in the sheet material articles of the present invention as separate acidic and basic resin particles, or as multicomponent particles containing both the acidic and basic resins. The sheet materials can be manufactured having new and unexpected structural integrity, with little or no shakeout or loss of superabsorbent particles during or after manufacture while exhibiting exceptional water absorption and retention properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 8 OF 11 USPATFULL on STN L8 DUPLICATE 3

ACCESSION NUMBER: 2001:212613 USPATFULL

TITLE: Multicomponent superabsorbent gel particles

INVENTOR(S): Beihoffer, Thomas W., Arlington Heights, IL, United

States

Mitchell, Michael A., Lake Zurich, IL, United States

PATENT ASSIGNEE(S): BASF Aktiengesellschaft (U.S. corporation)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-500205.

Continuation of Ser. No. US 2000-500205, filed on 8 Feb 2000, PENDING Continuation of Ser. No. US 1997-974125, filed on 10 Nov. 1007 CRANTED Park No. US 6073101

filed on 19 Nov 1997, GRANTED, Pat. No. US 6072101

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: MARSHALL, O'TOOLE, GERSTEIN, MURRAY & BORUN, 6300 SEARS

TOWER, 233 SOUTH WACKER DRIVE, CHICAGO, IL, 60606-6402

NUMBER OF CLAIMS: 41 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 1 Drawing Page(s)

LINE COUNT: 1335

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Multicomponent superabsorbent gel particles are disclosed. The multicomponent particles comprise at least one acidic water-absorbing resin and at least one basic water-absorbing resin. Each particle contains microdomains of the acidic resin and/or the basic resin

homogeneously dispersed throughout the particle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 9 OF 11 USPATFULL on STN DUPLICATE 4

ACCESSION NUMBER: 2001:176700 USPATFULL

TITLE: Multicomponent superabsorent gel particles

INVENTOR(S): Beihoffer, Thomas W., Arlington Heights, IL, United

States

Mitchell, Michael A., Lake Zurich, IL, United States

PATENT ASSIGNEE(S): BASF Aktiengesellschaft (U.S. corporation)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-120674, filed on 22

Jul 1998, GRANTED, Pat. No. US 6235965

Continuation-in-part of Ser. No. US 1997-974125, filed

on 19 Nov 1997, GRANTED, Pat. No. US 6072101

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: MARSHALL, O'TOOLE, GERSTEIN, MURRAY & BORUN, 6300 SEARS

TOWER, 233 SOUTH WACKER DRIVE, CHICAGO, IL, 60606-6402

NUMBER OF CLAIMS: 48
EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 9 Drawing Page(s)

LINE COUNT: 2133

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Multicomponent superabsorbent gel particles are disclosed. The multicomponent particles comprise at least one acidic water-absorbing resin and at least one basic water-absorbing resin. Each particle contains at least one microdomain of the acidic resin in contact with, or in close proximity to, at least one microdomain of the basic resin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 10 OF 11 USPATFULL on STN

ACCESSION NUMBER: 93:35395 USPATFULL

TITLE: Use of water-soluble or water-dispersible grafted

proteins as detergent additives

INVENTOR(S): Kroner, Matthias, Bad Durkheim, Germany, Federal

Republic of

Hartmann, Heinrich, Limburgerhof, Germany, Federal

Republic of

Baur, Richard, Mutterstadt, Germany, Federal Republic

of

Trieselt, Wolfgang, Ludwigshafen, Germany, Federal

Republic of

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen,

Germany, Federal Republic of (non-U.S. corporation)

NUMBER DATE

PRIORITY INFORMATION: DE 1990-4016002 19900518

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
DDIMARY FYAMINED: Licharma

PRIMARY EXAMINER: Lieberman, Paul ASSISTANT EXAMINER: Fries, Kery A.

LEGAL REPRESENTATIVE: Oblon, Spivak, McClelland, Maier & Neustadt

NUMBER OF CLAIMS: 3
EXEMPLARY CLAIM: 1
LINE COUNT: 884

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Phosphate-free and low-phosphate detergents which contain surfactants as essential constituents also contain from 0.1 to 20% by weight, based on the particular formulation, of water-soluble or water-dispersible grafted proteins obtainable by free radical copolymerization of

- (A) monoethylenically unsaturated monomers in the presence of
- (B) proteins in a weight ratio of (A):(B) of (0.5-90):(99.5-10).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 11 OF 11 USPATFULL on STN

ACCESSION NUMBER: 89:58436 USPATFULL

TITLE: Use of graft polymers based on

polyesters, polyester urethanes and polyester amides as

grayness inhibitors in detergents

INVENTOR(S): Kud, Alexander, Eppelsheim, Germany, Federal Republic

O1

Trieselt, Wolfgang, Ludwigshafen, Germany, Federal

Republic of

Hartmann, Heinrich, Limburgerhof, Germany, Federal

Republic of

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen,

Germany, Federal Republic of (non-U.S. corporation)

NUMBER DATE

PRIORITY INFORMATION: DE 1987-3712069 19870409

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Lieberman, Paul

ASSISTANT EXAMINER: Thompson, Willie J. LEGAL REPRESENTATIVE: Michaels, Joseph D.

NUMBER OF CLAIMS: 12 EXEMPLARY CLAIM: 1 LINE COUNT: 745

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Detergents contain **graft polymers** obtainable by grafting

- (a) polycondensates based on polyesters, polyester urethanes and polyester amides and having in each case a number average molecular weight from 500 to 100,000 with
- (b) from 0.2 to 10 parts by weight, based on 1 part by weight of the polycondensates, of vinyl esters of saturated C.sub.1 to C.sub.6 -carboxylic acids, acrylic and/or methacrylic esters of saturated monohydric alcohols containing 1 to 4 carbon atoms.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.